Recombinant human SVIP protein

Catalog Number: ATGP2633

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-77aa

UniProt No.
Q8NHG7

NCBI Accession No.
NP_683691

Alternative Names
Small VCP/p97-interacting protein, DKFZp313A2432, Small VCP/p97 interacting protein

PRODUCT SPECIFICATION

Molecular Weight
10.8 kDa (100aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 2mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Small VCP/p97-interacting protein, also known as SVIP, is involved in a variety of cellular processes, including membrane fusion and ubiquitin-dependent protein degradation. SVIP functions as an inhibitor of the endoplasmic reticulum (ER) -associated degradation (ERAD) pathway. Overexpression of SVIP, on the other hand, increased the levels of p62 protein and enhanced starvation-activated autophagy as well as promoted sequestration of polyubiquitinated proteins and p62 in autophagosomes. Recombinant human SVIP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

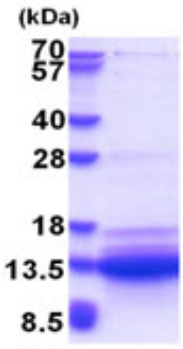
MGSSHHHHHH SSGLVPRGSH MGSMGLCFPC PGESAPPTPD LEEKRAKLAE AAERRQKEAA SRGILDVQSV QEKRKKKEKI EKQIATSGPP PEGGLRWTVS

General References

Wang Y., et al. (2011) PLoS One. 6(8): e24478.
Ballar P., et al. (2007) J Bio Chem 23(47): 33908-14.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.